INTERNATIONAL SEARCH REPORT

Intermonal Application No PCT7US2004/023594

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C01B3/04 C01B3/56 C01B23/00 C01C1/02

C01B3/02

C01C1/04

C25B1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C01B C01C C25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.					
Y	US 4 427 504 A (STUCKI SAMUEL) 24 January 1984 (1984-01-24) column 3, line 47 - column 4, line 20	1-22					
Υ	US 3 616 334 A (AKER WALTER W ET AL) 26 October 1971 (1971-10-26) column 1, lines 24-51 column 2, lines 22-44 column 6, lines 9-18	1-20					
Υ	US 4 045 315 A (RYASON PORTER R ET AL) 30 August 1977 (1977-08-30) column 2, lines 35-53 column 3, lines 33-50	2-5,21, 22					
Y	US 2003/094098 A1 (WATANABE TADAHARU ET AL) 22 May 2003 (2003-05-22) the whole document	1-22					
	-/						

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.				
Special categories of cited documents:					
 "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but fater than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 				
Date of the actual completion of the international search	Date of mailing of the international search report				
18 November 2004	26/11/2004				
Name and mailing address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Besana, S				

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INTERNATIONAL SEARCH REPORT

Interceptional Application No PCT/US2004/023594

BURY RONALD	Relevant to claim No.
BURY RONALD 06)	8-13

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INTERNATIONAL SEARCH REPORT

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